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| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|------------------|
| L1 | 4 | "3806874".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 12:44 |
| L2 | 2 | "6343743".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L3 | 2 | "5850524".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L4 | 2 | "5917909".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L5 | 2 | "4985921".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L6 | 165 | 380/270.ccls. and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L7 | 5 | L6 and ((bidirectional or "bi-directional") with (channel or path)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L8 | 347 | 713/168,169,185.ccls. and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |

EAST Search History

| | | | | | | |
|-----|---------|---|--|----|----|------------------|
| L9 | 1874896 | ("data carrier" or memory or card) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L10 | 10425 | L9 and ((bidirectional or "bi-directional") with (channel or path)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L11 | 2903 | L10 and (authenticat\$3 or verify\$3 or verification) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L12 | 125 | L11 and (ISO with standard) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L13 | 1 | L8 and L12 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L14 | 5 | L12 and (mutual with (authenticat\$3 or verification or verify\$3)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L15 | 43 | L12 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L16 | 3 | L8 and L11 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |

EAST Search History

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|-----|------|--|--|----|----|------------------|
| L17 | 2023 | (computer or "data carrier" or memory or card or host) with ((bidirectional or "bi-directional") with (channel or path)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L18 | 441 | L17 and modulat\$3 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L19 | 153 | L18 and (authentikat\$3 or verification or verify\$3) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L20 | 80 | L19 and @ad<"19990909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L21 | 318 | (separate with (authentikat\$3 or verify\$3 or verification) with (channel or path)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L22 | 108 | L21 and @ad<"19990909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L23 | 63 | "smart card" with "mutual authentication" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L24 | 13 | L23 and @ad<"19990909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |

EAST Search History

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|-----|--------|---|---|----|----|------------------|
| L25 | 4 | ("5852653" or "4837556").pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L26 | 2 | "5763869".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L27 | 2 | wo-9415318-\$.did. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L28 | 11941 | 380/270.ccls. or 713/168-171,185. ccls. or 725/25.ccls. or 709/208, 211-216.ccls. or 726/2-9,16-17,20, 27-29.ccls. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L29 | 2584 | L28 and @ad<"19980907" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L30 | 419767 | (two or multiple) with (channel) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L31 | 12973 | L30 and (bidirectional) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L32 | 4847 | L31 and ((flash or card or memory or rom or ram) with (channel or port)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |

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| L33 | 38 | L29 and L32 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L34 | 1877 | (authentication with channel) and (data with channel) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L35 | 51 | L34 and L29 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L36 | 0 | L33 and L35 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L37 | 3 | L35 and (bidirectional) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L38 | 18570 | (separate or two or multiple) with (bidirectional or (two adj1 way)) with (path or channel or port) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L39 | 2040 | L38 and ((data adj1 storage) or (smart adj1 card)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L40 | 122 | L39 and ((validation or authentication) with (channel or port or path)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |

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| L41 | 28 | L40 and @ad<"19980907" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L42 | 96946 | (modulat\$3 with (channel or path)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L43 | 11941 | 380/270.ccls. or 713/168-171,185. ccls. or 725/25.ccls. or 709/208, 211-216.ccls. or 726/2-9,16-17,20, 27-29.ccls. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L44 | 2584 | L43 and @ad<"19980907" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L45 | 113 | L42 and L44 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L46 | 2 | "5553239".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L47 | 21741 | (client or pda or (smart adj1 card) or (storage)) with (authenticat\$3) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L48 | 1911 | L47 and (second or multiple) with (server) with ((log adj1 on) or verify or verificat\$3 or authenticat\$3) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |

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| L49 | 83 | L48 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L50 | 13 | L49 and (logical with (path or channel)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L51 | 4568 | (pda or (smart adj1 card) or palm) with (authenticat\$3) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L52 | 345 | L51 and (second or multiple) with (server) with ((log adj1 on) or verify or verificat\$3 or authenticat\$3) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L53 | 3 | L52 and (logical with (path or channel)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L54 | 0 | L53 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L55 | 12 | L52 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L56 | 6294 | ((data adj2 carrier) or (smart adj2 card) or (pda) or (portable adj2 device)) with (authenticat\$3 or authenticity or validat\$3) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |

EAST Search History

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| L57 | 511 | L56 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L58 | 2 | L57 and (logical with (path or channel)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L59 | 2 | L57 and (bidirectional with (path or channel)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L60 | 48 | L57 and iso | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L61 | 444 | wireless with logical with (channel or path) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L62 | 26 | L61 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L63 | 5565 | wireless with multiple with (channel or path) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L64 | 420 | L63 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |

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| L65 | 44 | L64 and logical with (channel or path) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L66 | 637 | modulat\$3 with ISO | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L67 | 67 | L66 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L68 | 2 | "5850524".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L69 | 2 | WO-9534054-\$.did. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| L70 | 6 | "5894425".pn. or "3806874".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 13:57 |
| S1 | 2 | "6343743".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 12:44 |
| S2 | 2 | "5850524".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/21 15:49 |

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| S3 | 2 | "5917909".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:33 |
| S4 | 2 | "4985921".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:38 |
| S5 | 165 | 380/270.ccls. and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:48 |
| S6 | 5 | S5 and ((bidirectional or "bi-directional") with (channel or path)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/24 11:36 |
| S7 | 346 | 713/168,169,185.ccls. and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/24 11:47 |
| S8 | 1657945 | ("data carrier" or memory or card) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/24 11:36 |
| S9 | 8973 | S8 and ((bidirectional or "bi-directional") with (channel or path)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/24 11:36 |
| S10 | 2477 | S9 and (authenticat\$3 or verify\$3 or verification) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/24 11:37 |

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|-----|------|---|--|----|----|------------------|
| S11 | 108 | S10 and (ISO with standard) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/24 11:40 |
| S12 | 1 | S7 and S11 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/24 11:38 |
| S13 | 4 | S11 and (mutual with (authenticat\$3 or verification or verify\$3)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/24 11:38 |
| S14 | 43 | S11 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/24 11:40 |
| S15 | 3 | S7 and S10 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/24 11:47 |
| S16 | 1834 | (computer or "data carrier" or memory or card or host) with ((bidirectional or "bi-directional") with (channel or path)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/25 09:44 |
| S17 | 406 | S16 and modulat\$3 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/25 09:46 |
| S18 | 142 | S17 and (authenticat\$3 or verification or verify\$3) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/25 09:48 |

EAST Search History

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|-----|-----|--|---|----|----|------------------|
| S19 | 80 | S18 and @ad<"19990909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/25 09:51 |
| S20 | 271 | (separate with (authenticat\$3 or verify\$3 or verification) with (channel or path)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/25 09:52 |
| S21 | 107 | S20 and @ad<"19990909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/25 09:52 |
| S22 | 44 | "smart card" with "mutual authentication" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/25 11:41 |
| S23 | 12 | S22 and @ad<"19990909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/25 11:41 |
| S24 | 4 | ("5852653" or "4837556").pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2005/10/25 19:40 |
| S25 | 2 | "5763869".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:29 |
| S26 | 2 | wo-9415318-\$.did. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:34 |

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|-----|--------|---|--|----|----|------------------|
| S27 | 10294 | 380/270.ccls. or 713/168-171,185. ccls. or 725/25.ccls. or 709/208, 211-216.ccls. or 726/2-9,16-17,20, 27-29.ccls. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:39 |
| S28 | 2570 | S27 and @ad<"19980907" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:41 |
| S29 | 400998 | (two or multiple) with (channel) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:41 |
| S30 | 12144 | S29 and (bidirectional) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:41 |
| S31 | 4568 | S30 and ((flash or card or memory or rom or ram) with (channel or port)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:42 |
| S32 | 38 | S28 and S31 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:48 |
| S33 | 1633 | (authentication with channel) and (data with channel) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:43 |
| S34 | 51 | S33 and S28 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:43 |

EAST Search History

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|-----|-------|---|--|----|----|------------------|
| S35 | 0 | S32 and S34 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:43 |
| S36 | 3 | S34 and (bidirectional) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:43 |
| S37 | 17703 | (separate or two or multiple) with (bidirectional or (two adj1 way)) with (path or channel or port) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:49 |
| S38 | 1895 | S37 and ((data adj1 storage) or (smart adj1 card)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:50 |
| S39 | 110 | S38 and ((validation or authentication) with (channel or port or path)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:50 |
| S40 | 28 | S39 and @ad<"19980907" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/08 15:50 |
| S41 | 91442 | (modulat\$3 with (channel or path)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/09 12:25 |
| S42 | 10318 | 380/270.ccls. or 713/168-171,185. ccls. or 725/25.ccls. or 709/208, 211-216.ccls. or 726/2-9,16-17,20, 27-29.ccls. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/09 12:26 |

EAST Search History

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| S43 | 2570 | S42 and @ad<"19980907" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/09 12:26 |
| S44 | 112 | S41 and S43 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/09 12:26 |
| S45 | 2 | "5553239".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 09:07 |
| S46 | 19254 | (client or pda or (smart adj1 card) or (storage)) with (authenticat\$3) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:07 |
| S47 | 1683 | S46 and (second or multiple) with (server) with ((log adj1 on) or verify or verificat\$3 or authenticat\$3) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:07 |
| S48 | 83 | S47 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:07 |
| S49 | 13 | S48 and (logical with (path or channel)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:07 |
| S50 | 4060 | (pda or (smart adj1 card) or palm) with (authenticat\$3) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:07 |

EAST Search History

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| S51 | 284 | S50 and (second or multiple) with (server) with ((log adj1 on) or verify or verificat\$3 or authenticat\$3) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:07 |
| S52 | 3 | S51 and (logical with (path or channel)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:07 |
| S53 | 0 | S52 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:08 |
| S54 | 12 | S51 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:08 |
| S55 | 5631 | ((data adj2 carrier) or (smart adj2 card) or (pda) or (portable adj2 device)) with (authenticat\$3 or authenticity or validat\$3) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:47 |
| S56 | 507 | S55 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:49 |
| S57 | 2 | S56 and (logical with (path or channel)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:48 |
| S58 | 2 | S56 and (bidirectional with (path or channel)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:49 |

EAST Search History

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| S59 | 48 | S56 and iso | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:49 |
| S60 | 395 | wireless with logical with (channel or path) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 10:37 |
| S61 | 25 | S60 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 10:37 |
| S62 | 4873 | wireless with multiple with (channel or path) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 10:37 |
| S63 | 418 | S62 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 10:37 |
| S64 | 44 | S63 and logical with (channel or path) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 10:37 |
| S65 | 591 | modulat\$3 with ISO | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 12:20 |
| S66 | 67 | S65 and @ad<"19970909" | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 12:20 |

EAST Search History

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| S67 | 2 | "5850524".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 13:09 |
| S68 | 2 | WO-9534054-\$.did. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 13:09 |
| S69 | 5 | "5894425".pn. or "3806874".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 15:55 |